INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2005/003755

		PCI/UIZO	03/003.00
Int.Cl ⁷	TION OF SUBJECT MATTER C07D417/04, A61K31/426, 31/427, A61P1/16, 11/00, 13/12, 17/14, 417/14//A61K7/06 national Patent Classification (IPC) or to both national cla	21/02, 43/00, 60/22.	154, 45/00, /24, 417/06,
B. FIELDS SEA	RCHED		
	to the telephone system followed by classif	fication symbols)	
	C07D401/00-421/14, A61K31/00-31 A61P1/00-43/00, C07D277/00-277	/24, AGIR//00 //30	C. Lizarana had
Jitsuyo : Kokai Ji	tsuyo Shinan Koho 1971-2005 Toro	ku Jitsuyo Shinan Koho	1994-2005
	ase consulted during the international search (name of data (STN), EMBASE (STN), BIOSIS (STN) (STN), JSTPLUS (JOIS), JMEDPLUS	. Bioincia and (5,)	lus(STN),
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appr	opriate, of the relevant passages	Relevant to claim No.
A	JP 2003-524010 A (Smithkline)	Beecham PLC),	1-12
A	& NO 200203953 A), 1499308 A2 200404779 A	1-12
× Further o	documents are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance E earlier application or patent but published on or after the international filing date L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		 "I later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family Date of mailing of the international search report 	
Date of the act	tual completion of the international search y, 2005 (26.05.05)	14 June, 2005 (14	.06.05)
Name and ma	iling address of the ISA	Authorized officer	
Japan	nese Patent Office		
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		PCT/JP2	005/003/55
(Continuation).	DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
A	WO 03/042207 A1 (SMITHKLINE BEECHAM CORP.), 22 May, 2003 (22.05.03), & EP 1444227 A1 & AU 2002356620 A1 & US 2004/0266842 A1 & JP 2005-513018 A		1-12
A	WO 02/076494 A2 (BIOPHARM GESELLSCHAFT Z BIOTECHNOLOGISCHEN ENTWICKELUNG VON PHARM MBH), 03 October, 2002 (03.10.02), & EP 1372698 A2 & AU 2002257703 & US 2004/0097456 A1 & JP 2004-525930	A1	1-11
A	WO 03/080592 Al (Sumitomo Chemical Co., 02 October, 2003 (02.10.03), & JP 2004-175780 A & AU 2003220931		1-11
А	SOMA, T. et al., Analysis of Apoptotic C Death in Human Hair Follicles In Vivo ar Vitro. J.Invest.Dermatol., 1998, 111, pa 948 to 954	10 111	1-11
A	FOITZIK, K. et al., Control of murine had follicle regeneration (catagen) by TGF-(vivo. FASEB J., 2000, 14, pages 752 to	2T TII	1-11
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. With respect to claims 10 and 11

With respect to the subject matters of claims 10 and 11, the active ingredient is defined only as an ALK 5 inhibitor.

However, it is not obvious even to persons skilled in the art that what chemical structure enables a compound to have ALK 5 inhibitory activity. The mere statement that the active ingredient is an ALK 5 inhibitor is hence unclear as to what compound the subject matters contain as the active ingredient.

In view of the statements in the description, ones described as those corresponding to the ALK 5 inhibitor are limited to those containing the compounds of claims 1-6 as an active ingredient. There is no statement on the case where a compound having another chemical structure and ALK 5 inhibitory activity is contained as the active ingredient. Consequently, it is not considered that the description includes a statement that such a case produces the same activity as those disclosed in the description.

Therefore, the statements in claims 10 and 11 make the subject matters of these claims unclear. It cannot be said that such statements in the description are clear and sufficient to such a degree that persons skilled in the art can practice the subject matters of claims 10 and 11. The statements do not sufficiently support these claims (Articles 5 and 6 of the PCT).

The statements in the description of this application lack a support to the subject matters of these claims. It should hence be noted that in preparing an international search report, a search was made through prior-art documents for the case where the active ingredient is limited to the compounds of claims 1-6.